

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041223\  
 Data File : BP014680.D  
 Acq On : 12 Apr 2023 18:58  
 Operator : CG/JU  
 Sample : 02282-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0QG3

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 04/13/2023  
 Supervised By : Jagrut Upadhyay 04/13/2023

Quant Time: Apr 13 00:50:45 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP032823.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Apr 11 01:21:43 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| -----                         |        |      |          |          |        |          |
| Internal Standards            |        |      |          |          |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.975  | 152  | 86377    | 20.000   | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.793 | 136  | 363952   | 20.000   | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.628 | 164  | 228265   | 20.000   | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.392 | 188  | 497495   | 20.000   | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.480 | 240  | 516039   | 20.000   | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.980 | 264  | 590100   | 20.000   | ng/u1  | 0.00     |
|                               |        |      |          |          |        |          |
| System Monitoring Compounds   |        |      |          |          |        |          |
| 3) 1,4-Dioxane-d8             | 3.364  | 96   | 10260    | 4.606    | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.822  | 84   | 24273m   | 4.252    | ng/u1  | 0.03     |
| 7) Phenol-d5                  | 7.152  | 99   | 38438    | 4.825    | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.299  | 67   | 158764   | 31.063   | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.505  | 132  | 124684   | 21.655   | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.699  | 113  | 79190    | 12.324   | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.152  | 128  | 80117    | 27.268   | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.875  | 143  | 82726    | 24.589   | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.422 | 165  | 134610   | 21.969   | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.946 | 131  | 114242   | 14.155   | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.034 | 166  | 533276   | 28.813   | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.322 | 160  | 576100   | 28.052   | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.887 | 143  | 9280m    | 3.319    | ng/u1  | 0.03     |
| 60) Fluorene-d10              | 15.622 | 176  | 453348   | 29.373   | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.757 | 200  | 83859    | 22.908   | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.492 | 188  | 729647   | 30.305   | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.722 | 212  | 918802   | 26.507   | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.815 | 264  | 967298   | 30.853   | ng/u1  | 0.00     |
|                               |        |      |          |          |        |          |
| Target Compounds              |        |      |          |          | Qvalue |          |
| 30) Naphthalene               | 10.851 | 128  | 4736351  | 233.633  | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.451 | 142  | 400346   | 29.140   | ng/u1  | 98       |
| 37) 1-Methylnaphthalene       | 12.669 | 142  | 364198   | 26.729   | ng/u1  | 96       |
| 43) 1,1'-Biphenyl             | 13.457 | 154  | 113494   | 6.154    | ng/u1  | 97       |
| 52) Acenaphthene              | 14.692 | 153  | 31788    | 2.057    | ng/u1  | 99       |
| 56) Dibenzofuran              | 15.028 | 168  | 42702    | 1.965    | ng/u1  | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.257 | 232  | 380178   | 78.895   | ng/u1# | 94       |
| 61) Fluorene                  | 15.681 | 166  | 48050    | 2.728    | ng/u1  | 99       |
| 71) Pentachlorophenol         | 17.063 | 266  | 7366269  | 1788.140 | ng/u1  | 99       |
| 72) Phenanthrene              | 17.433 | 178  | 99796    | 3.606    | ng/u1  | 96       |
| -----                         |        |      |          |          |        |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

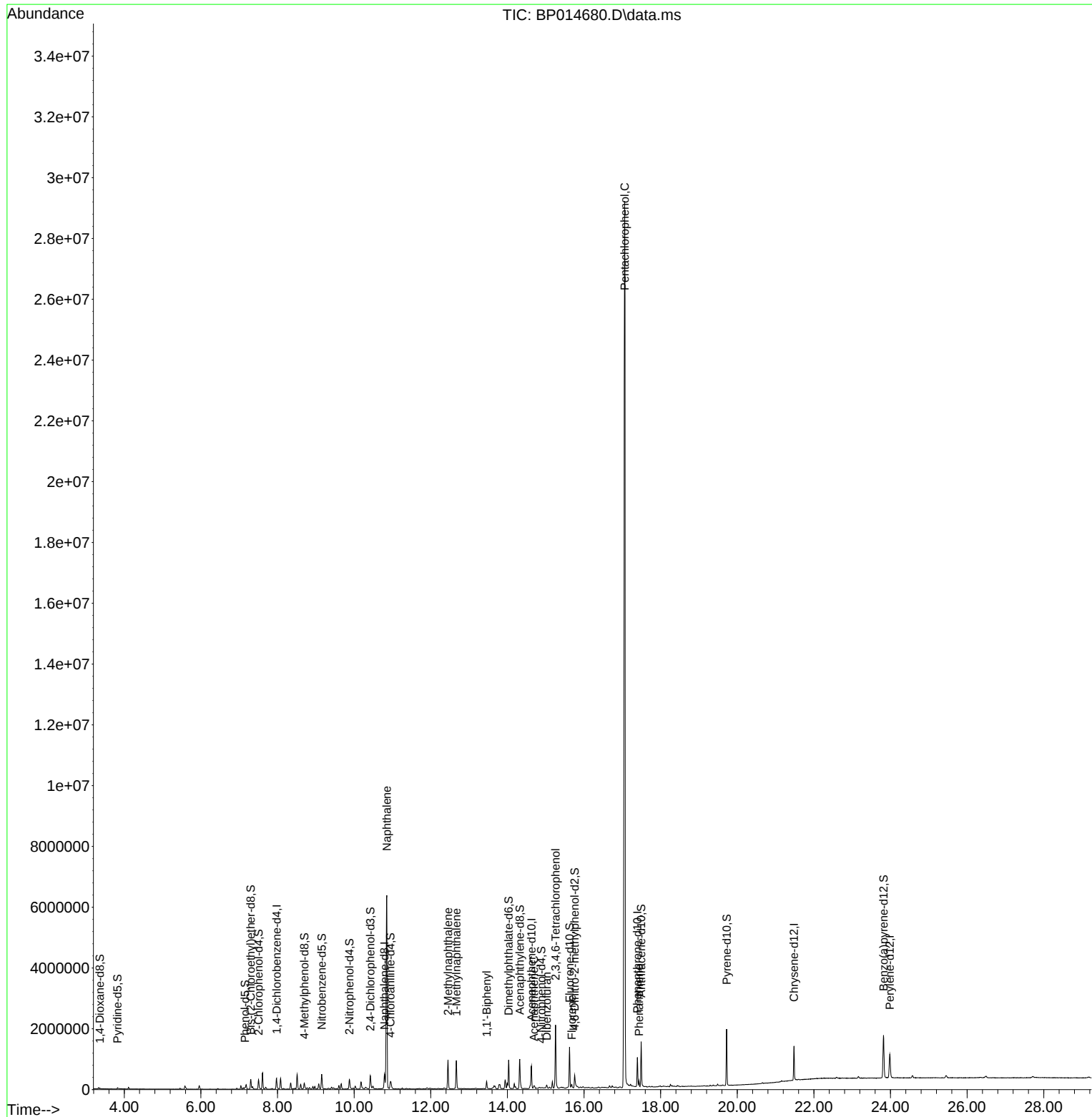
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041223\  
Data File : BP014680.D  
Acq On : 12 Apr 2023 18:58  
Operator : CG/JU  
Sample : 02282-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

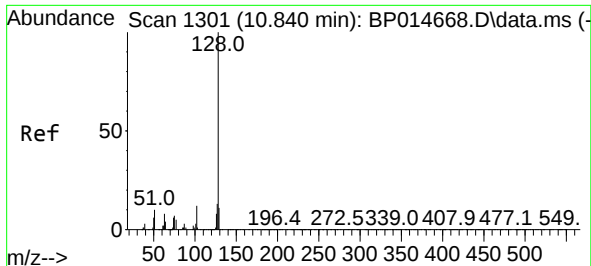
Instrument :  
BNA\_P  
ClientSampleId :  
C0QG3

Quant Time: Apr 13 00:50:45 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP032823.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Apr 11 01:21:43 2023  
Response via : Initial Calibration

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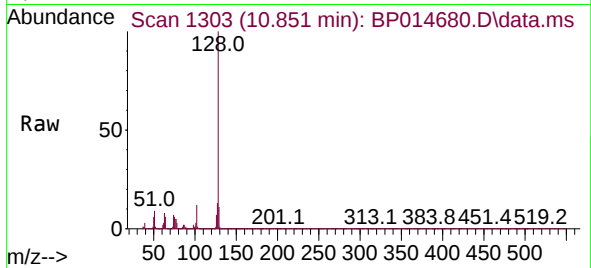
Reviewed By :Christian Giraldo 04/13/2023  
Supervised By :Jagrut Upadhyay 04/13/2023





#30  
Naphthalene  
Concen: 233.633 ng/ul  
RT: 10.851 min Scan# 1301  
Delta R.T. 0.006 min  
Lab File: BP014680.D  
Acq: 12 Apr 2023 18:58

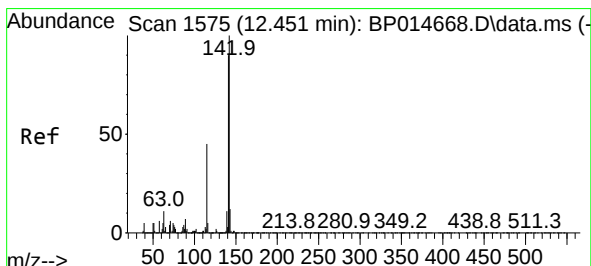
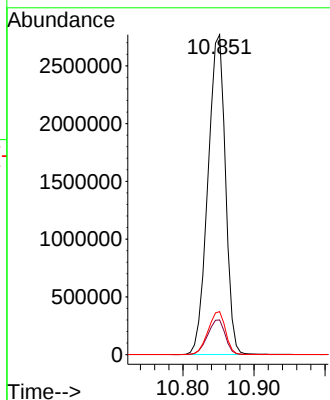
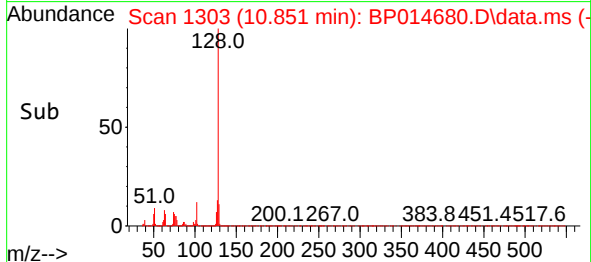
Instrument :  
BNA\_P  
ClientSampleId :  
C0QG3



Tgt Ion:128 Resp: 473635  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.9 13.3  
127 13.4 11.0 16.6

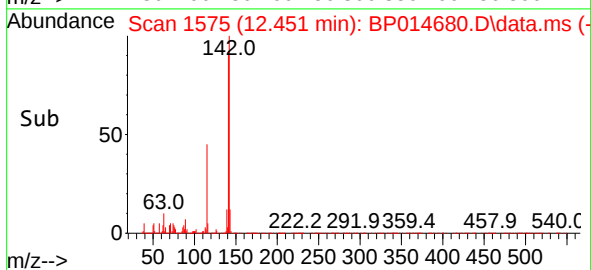
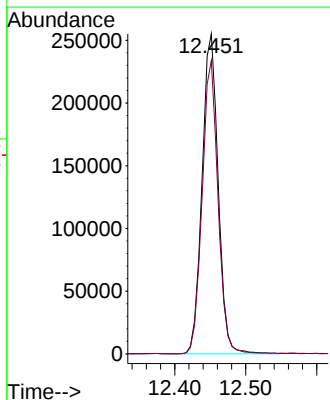
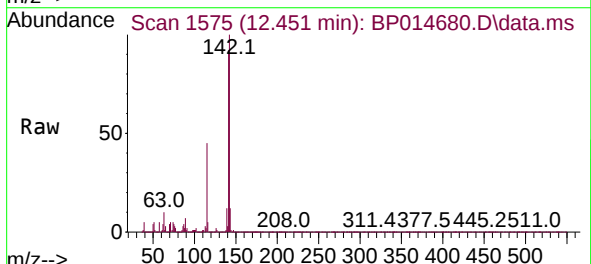
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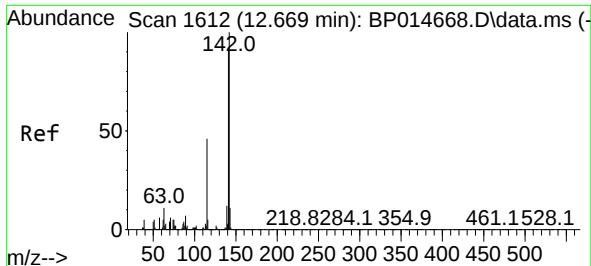
Reviewed By :Christian Giraldo 04/13/2023  
Supervised By :Jagrut Upadhyay 04/13/2023



#36  
2-Methylnaphthalene  
Concen: 29.140 ng/ul  
RT: 12.451 min Scan# 1575  
Delta R.T. -0.006 min  
Lab File: BP014680.D  
Acq: 12 Apr 2023 18:58

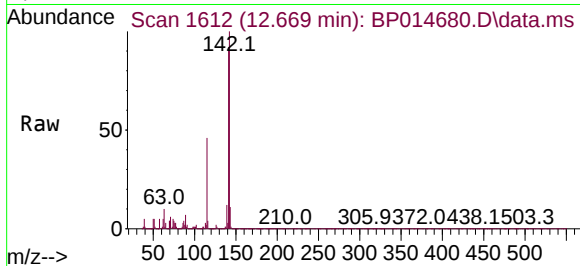
Tgt Ion:142 Resp: 400346  
Ion Ratio Lower Upper  
142 100  
141 91.6 71.6 107.4





#37  
1-Methylnaphthalene  
Concen: 26.729 ng/ul  
RT: 12.669 min Scan# 1612  
Delta R.T. -0.006 min  
Lab File: BP014680.D  
Acq: 12 Apr 2023 18:58

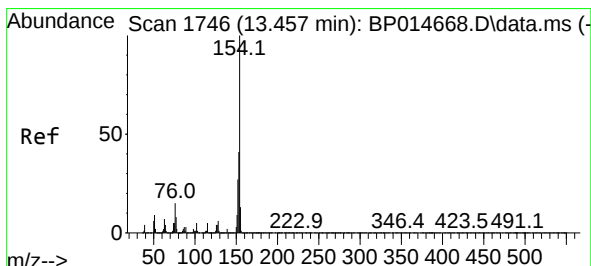
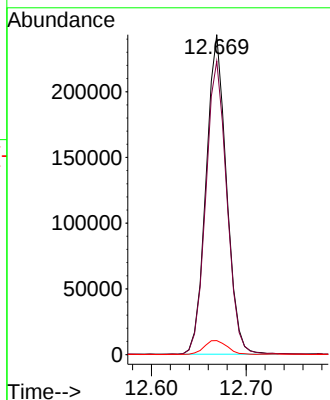
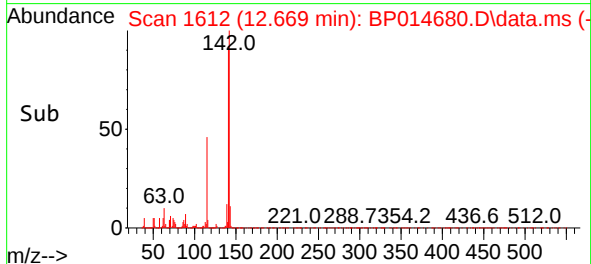
Instrument :  
BNA\_P  
ClientSampleId :  
C0QG3



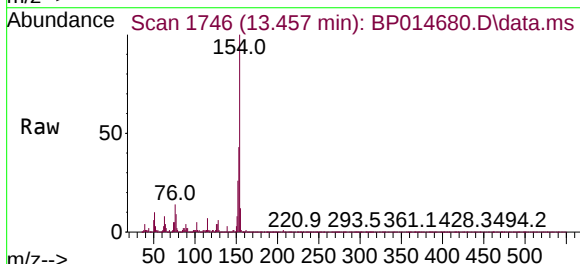
Tgt Ion:142 Resp: 364198  
Ion Ratio Lower Upper  
142 100  
141 91.7 76.6 114.8  
116 4.4 3.6 5.4

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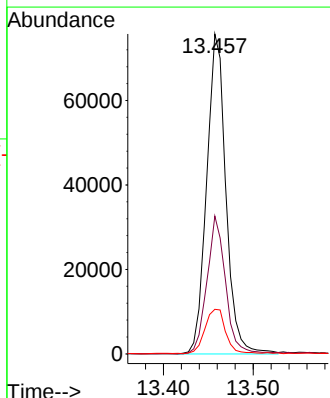
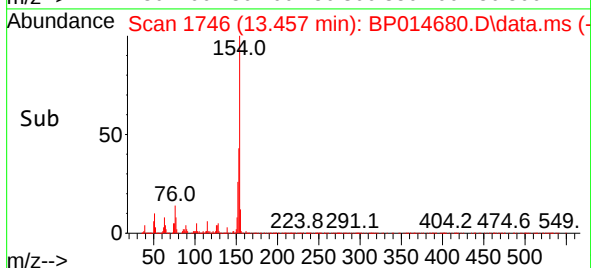
Reviewed By :Christian Giraldo 04/13/2023  
Supervised By :Jagrut Upadhyay 04/13/2023

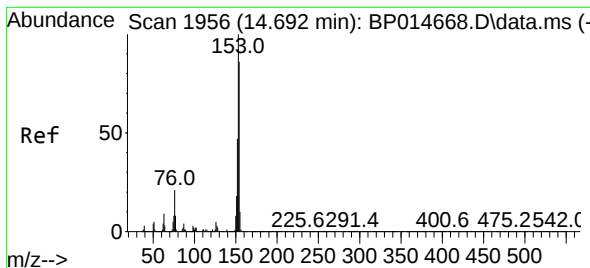


#43  
1,1'-Biphenyl  
Concen: 6.154 ng/ul  
RT: 13.457 min Scan# 1746  
Delta R.T. -0.006 min  
Lab File: BP014680.D  
Acq: 12 Apr 2023 18:58



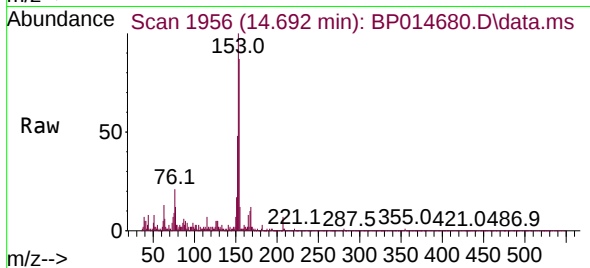
Tgt Ion:154 Resp: 113494  
Ion Ratio Lower Upper  
154 100  
153 43.1 32.4 48.6  
76 13.9 10.7 16.1





#52  
Acenaphthene  
Concen: 2.057 ng/ul  
RT: 14.692 min Scan# 1956  
Delta R.T. -0.006 min  
Lab File: BP014680.D  
Acq: 12 Apr 2023 18:58

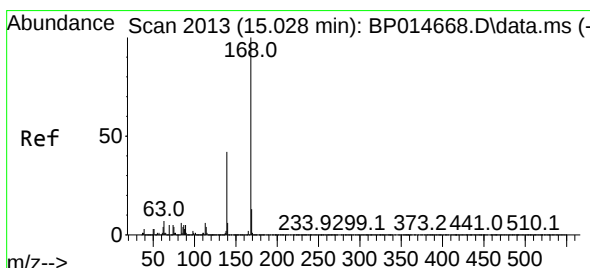
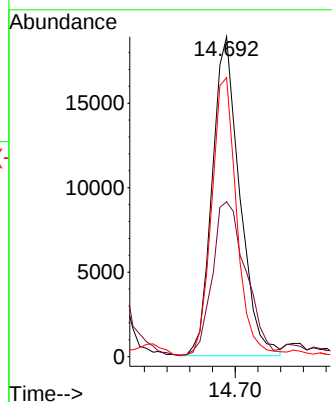
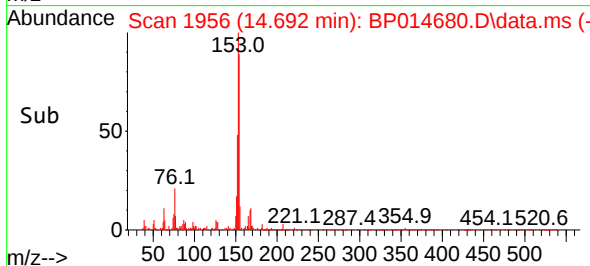
Instrument :  
BNA\_P  
ClientSampleId :  
C0QG3



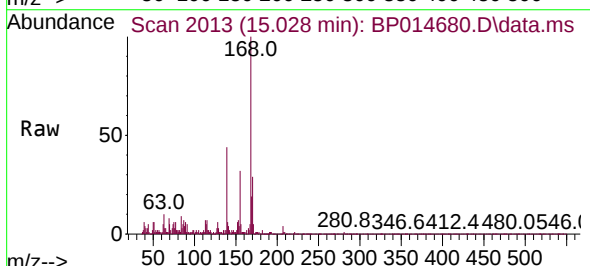
Tgt Ion:153 Resp: 31788  
Ion Ratio Lower Upper  
153 100  
152 48.4 38.2 57.4  
154 87.2 70.2 105.2

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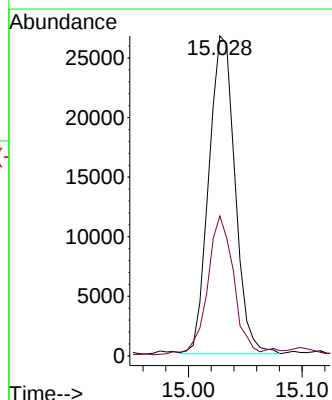
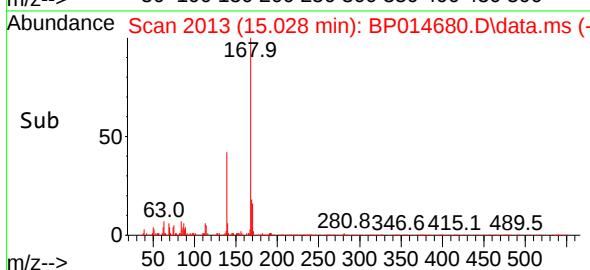
Reviewed By :Christian Giraldo 04/13/2023  
Supervised By :Jagrut Upadhyay 04/13/2023

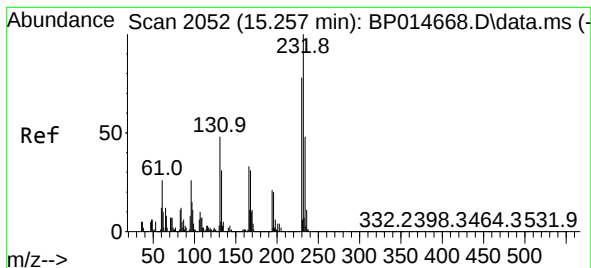


#56  
Dibenzofuran  
Concen: 1.965 ng/ul  
RT: 15.028 min Scan# 2013  
Delta R.T. -0.006 min  
Lab File: BP014680.D  
Acq: 12 Apr 2023 18:58



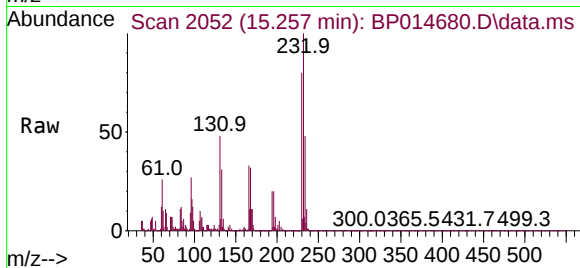
Tgt Ion:168 Resp: 42702  
Ion Ratio Lower Upper  
168 100  
139 43.7 32.1 48.1





#58  
2,3,4,6-Tetrachlorophenol  
Concen: 78.895 ng/ul  
RT: 15.257 min Scan# 2052  
Delta R.T. -0.006 min  
Lab File: BP014680.D  
Acq: 12 Apr 2023 18:58

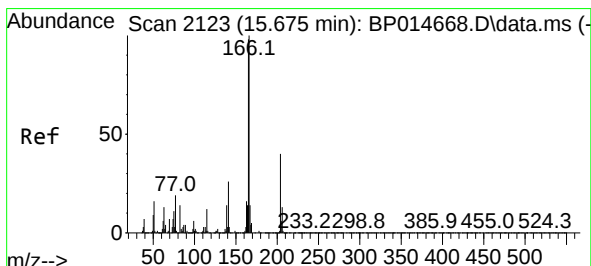
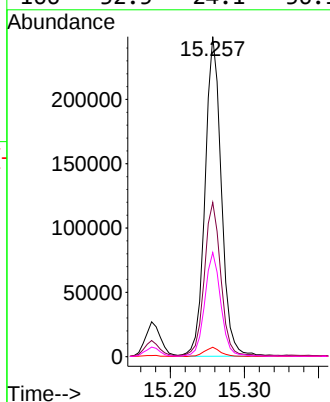
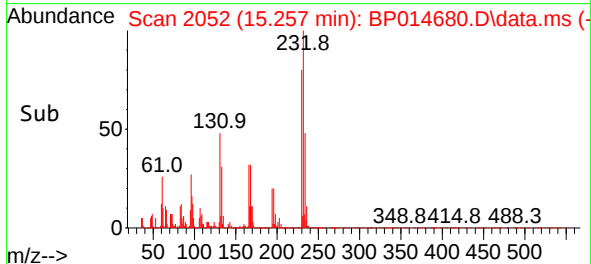
Instrument :  
BNA\_P  
ClientSampleId :  
C0QG3



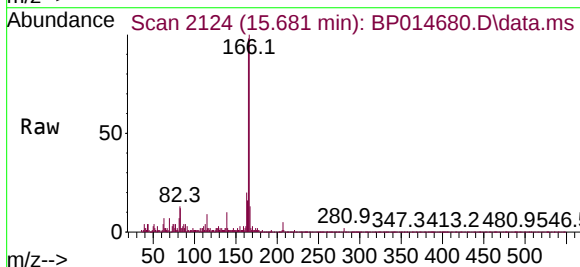
Tgt Ion:232 Resp: 380178  
Ion Ratio Lower Upper  
232 100  
131 48.2 35.0 52.4  
130 2.9 1.9 2.9  
166 32.5 24.1 36.1

Manual Integrations  
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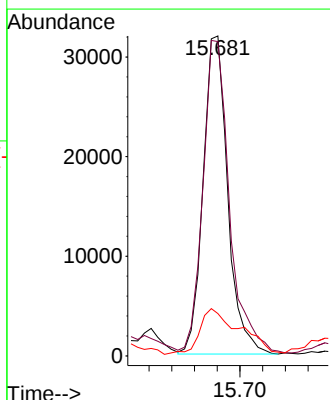
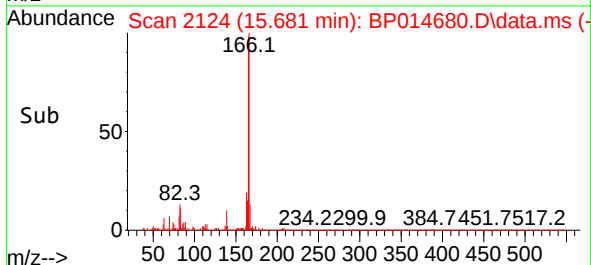
Reviewed By :Christian Giraldo 04/13/2023  
Supervised By :Jagrut Upadhyay 04/13/2023

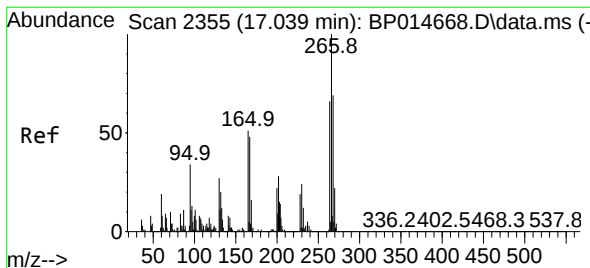


#61  
Fluorene  
Concen: 2.728 ng/ul  
RT: 15.681 min Scan# 2124  
Delta R.T. 0.000 min  
Lab File: BP014680.D  
Acq: 12 Apr 2023 18:58



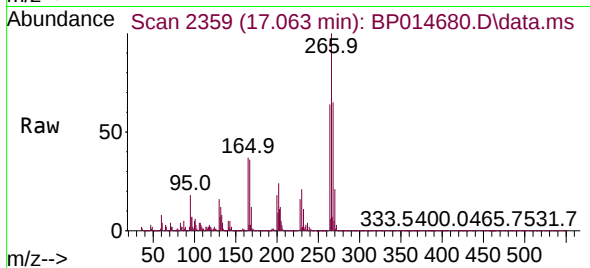
Tgt Ion:166 Resp: 48050  
Ion Ratio Lower Upper  
166 100  
165 98.2 79.2 118.8  
167 13.2 11.0 16.4





#71  
Pentachlorophenol  
Concen: 1788.140 ng/ul  
RT: 17.063 min Scan# 2355  
Delta R.T. 0.012 min  
Lab File: BP014680.D  
Acq: 12 Apr 2023 18:58

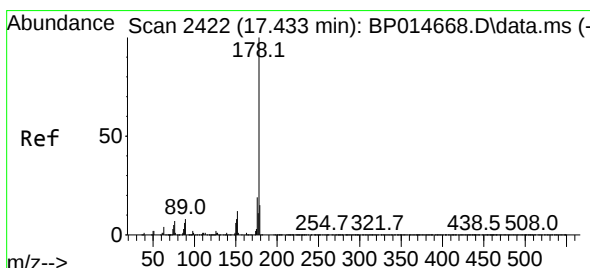
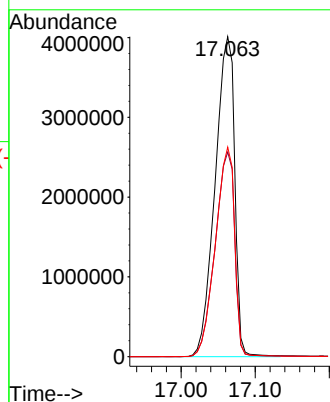
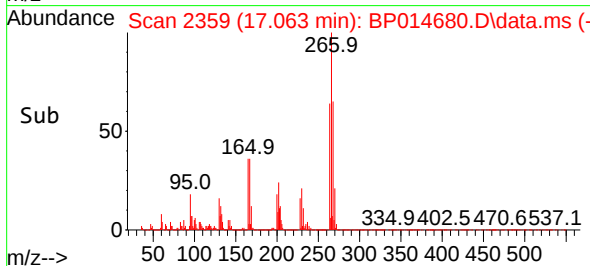
Instrument :  
BNA\_P  
ClientSampleId :  
C0QG3



Tgt Ion:266 Resp: 7366269  
Ion Ratio Lower Upper  
266 100  
264 63.9 51.0 76.4  
268 65.5 51.4 77.2

Manual Integrations  
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Supervised By :Jagrut Upadhyay 04/13/2023



#72  
Phenanthrene  
Concen: 3.606 ng/ul  
RT: 17.433 min Scan# 2422  
Delta R.T. -0.006 min  
Lab File: BP014680.D  
Acq: 12 Apr 2023 18:58

Tgt Ion:178 Resp: 99796  
Ion Ratio Lower Upper  
178 100  
179 17.3 12.2 18.4  
176 20.6 15.3 22.9

